

Title (en)
ROLLING TOOL AND METHOD

Title (de)
WALZWERKZEUG UND VERFAHREN

Title (fr)
OUTIL DE LAMINAGE ET PROCEDE

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Application
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Abstract (en)
[origin: WO2012107582A1] Disclosed is a rolling tool which serves for working - in particular rolling smooth - an inner lateral surface of a cylindrical clearance. For this purpose, the rolling tool has at least one rolling body, which is held in the rotatably drivable rolling tool, and can be taken along by said tool on a peripheral path along the inner lateral surface. In this case, the at least one rolling body is inserted into a radial clearance in the rolling tool and can be subjected to a pressurized fluid from the inside to the outside along the radial clearance. According to the invention, the fluid is an aerosol. The aerosol is a fluid mixed with gas and serves for hydrostatic bearing and lubrication. In this case, the amount of fluid required is reduced in comparison with the prior art - on the basis of minimal quantity lubrication (MQL).

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